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FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
Susumu Inatsugu	MAT-8498US	3712
	EXAMINER CAO, HUEDUNG X	
	ART UNIT	PAPER NUMBER
	2821	
		Susumu Inatsugu MAT-8498US EXAMI CAO, HUE ART UNIT

DATE MAILED: 08/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		_	AK
	Application No.	Applicant(s)	
	10/756,982	INATSUGU ET AL.	
Office Action Summary	Examiner	Art Unit	
	Huedung X. Cao	2821	
The MAILING DATE of this communication appeared for Reply	pears on the cover sheet w	ith the correspondence address -	•
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. - after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a rep - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b). Status	136(a). In no event, however, may a ly within the statutory minimum of thi will apply and will expire SIX (6) MO e, cause the application to become A	reply be timely filed rty (30) days will be considered timely. NTHS from the mailing date of this communica BANDONED (35 U.S.C. § 133).	ation.
	4 0007		
 1) Responsive to communication(s) filed on 23 № 2a) This action is FINAL. 2b) This 	May 2005. s action is non-final.		
3) Since this application is in condition for allowa		ters, prosecution as to the merits	e ie
closed in accordance with the practice under	•	•	, 10
Disposition of Claims		·	
4)⊠ Claim(s) <u>5-8</u> is/are pending in the application.			
4a) Of the above claim(s) is/are withdra			
5) Claim(s) is/are allowed.			
6) Claim(s) <u>5-7</u> is/are rejected.			
7) Claim(s) 8 is/are objected to.			
8) Claim(s) are subject to restriction and/o	or election requirement.		
Application Papers			
9) The specification is objected to by the Examine	er.		
10)⊠ The drawing(s) filed on 14 January 2004 is/are	e: a)☐ accepted or b)⊠	objected to by the Examiner.	
Applicant may not request that any objection to the	drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the correct			• •
11) The oath or declaration is objected to by the E	xaminer. Note the attache	d Office Action or form PTO-152	••
Priority under 35 U.S.C. § 119			
 12) Acknowledgment is made of a claim for foreigr a) All b) Some * c) None of: 1. Certified copies of the priority document 		§ 119(a)-(d) or (f).	
2. Certified copies of the priority document		Application No	
3. Copies of the certified copies of the prior		· · · · · · · · · · · · · · · · · · ·	
application from the International Burea	•		
* See the attached detailed Office action for a list	t of the certified copies no	t received.	

Attachment(s) 1) Notice of References Cited (PTO-892)	4) Intension	Summary (PTO-413)	
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No	(s)/Mail Date	
 Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date) 5)	Informal Patent Application (PTO-152)	
	-, <u> </u>	-	

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 5-7 are rejected under 35 U.S.C. 102(e) as being anticipated by SAITO (US 6456246 B2).

As per claim 5, Saito teaches "an antenna", comprising:

a flat-plate ground plane (Saito, figure 1A, ground conductor 3); a first antenna element with its one end connected to a feeding point and its intermediate portion folded by a plurality of times, which is extended upward from said ground plane (Saito, figure 3A, first conductor 5L; column 5, lines 15-25); and a second antenna element with its one end connected to the other end of said first antenna and with the other end thereof connected to said ground plane, which has an intermediate portion extended upward from said ground plane (Saito, figure 3A, second conductor 5R; column 5, lines 15-25); a substrate extended upward from said ground plane (Saito, figure 3A, substrate 15), wherein the intermediate portion of said second antenna element is disposed in a symmetrical relation with the intermediate portion of said first antenna element (Saito,

the symmetrical relation first and second conductors 5L, 5R; figures 3A,3B); the intermediate portion of said first antenna element and the intermediate portion of said second antenna element are arranged in symmetrically opposed to each other" (Saito, the symmetrical relation first and second conductors 5L, 5R; figures 3A, 3B), wherein the intermediate portion of said first antenna element is arranged on one surface of said substrate and the intermediate portion of said second antenna element is arranged on the other surface opposed to the substrate surface where the intermediate portion of said first antenna element is disposed (Saito, figure 3A, first and second conductors 5L, 5R on the surfaces of substrate 15).

Claim 6 adds into claim 5, further comprising: a conductive plate, wherein said conductive plate is arranged on one surface of said substrate being parallel to said ground plane, and the other end of said first antenna element and one end of said second antenna element are connected to each other via said conductive plate (Saito, figures 4C and 10C, conductor 6a on substrate 22).

Claim 7 adds into claim 6, wherein said first antenna element and said second antenna element are formed of metal plates which are integral with said conductive plate (Saito, figures 4C and 10C, conductor 6a; column 5, lines 15-26).

Allowable Subject Matter

3. Claim 8 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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4. The following is a statement of reasons for the indication of allowable subject

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matter: the Prior Arts fail to teach the features: a plurality of parasitic antenna elements

having an intermediate portion same in shape as the intermediate portion of said first

antenna element, wherein each of said parasitic antenna elements are arranged in

parallel relation to the surface where said first antenna element and said second

antenna element are disposed, and one end of said parasitic antenna element is

connected to said ground plane with the other end opened.

5. Due to a new ground of rejection, this action made non-final.

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Inquires

6. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Huedung Cao whose telephone number is (571) 272-

1939.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Don Wong, can be reached on (571) 272-1834. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

7. Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Huedung Cao Patent Examiner

HOANG V. NGUYEN PRIMARY EXAMINER